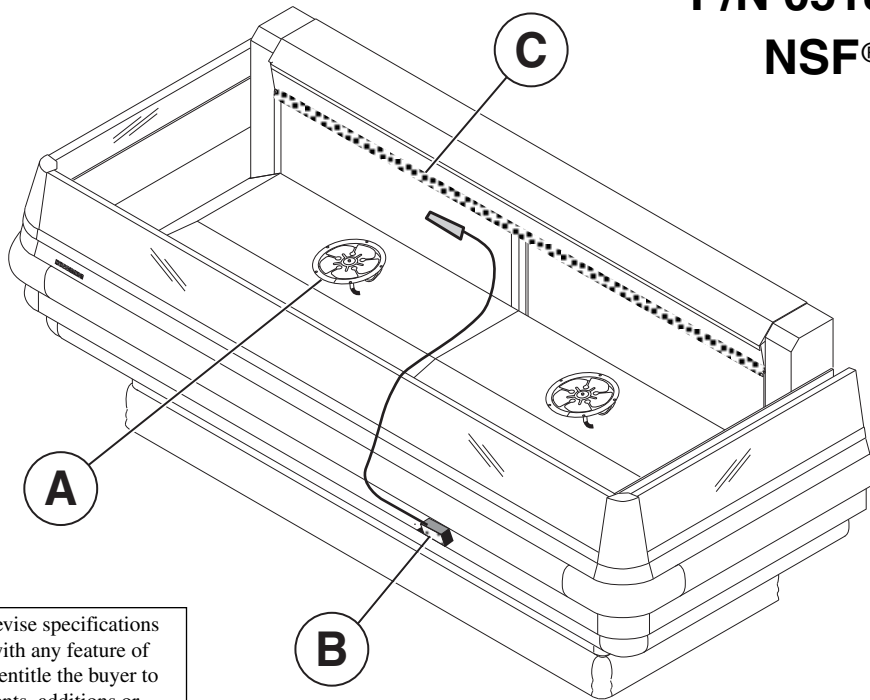


**M1GE-93E**  
**WITH MH78**  
**AND Base Elevation**

Technical Data Sheet  
**P/N 0513257\_B**

**NSF**<sup>®</sup> Certified

July 2010



We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
<b>FAN ASSEMBLIES, AND THERMOSTATS</b>				<b>HEATERS</b>			
A.	<b>4W Standard</b>	Fan Assembly	(1)	C.	Anti-Sweat Heater		
	0392457	Fan Motor, Evaporator (MO.4410101)			0494977	Rear Rail Heater (HE.4850716)	(3)
	0376413	Fan Blade (FB.0376413) embossing toward motor		<b>LAMPS AND BALLASTS</b>			
A.	<b>4W Energy Efficient</b>	Fan Assembly	(1)	None			
	0477653	Fan Motor, Evaporator (MO.4410544)		<b>NOTE:</b>			
	0376413	Fan Blade (FB.4780611) embossing toward motor		The M1GE-93E, is an island end cap case, designed to be used with back to back C2LG cases with 4 in. elevated bases.			
B.	0382028	Optional Adjustable Refrigeration Thermostat (CT.0382028)	(2)				

**NOTE:** Revision B updates plan view on page 2 and cross-section view on page 3.



# Engineering Plan View

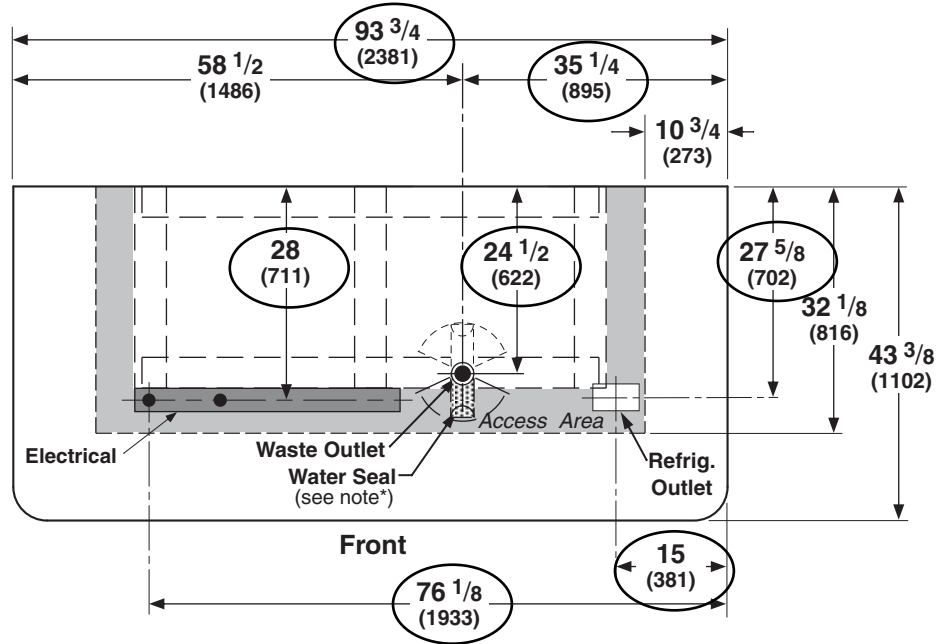
## PHYSICAL DATA

Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

**Meat / Delicatessen  
Precut & Packaged  
Produce**

07-2010

Dimensions shown as inches and (mm).



### General

- Case Length (*bumper to bumper*)
- Maximum O/S dimension of case back to front (*includes bumper*)
- Back of case to front of splashguard
- Back of case to O/S edge of front skid rail
- Width of skid rail
- Stub-up area between front skid rail and splashguard

### Electrical Service (Electrical Field Wiring connection point)

- RH End of case to center of farthest knockout
- Back O/S of case to center of knockout

### Waste Outlet

- RH End of case to the center of waste outlet
- LH End of case to the center of waste outlet
- Back O/S of case to center of waste outlet

### Water Seal

- Edge of water seal to center of waste outlet
- Schedule 40 PVC drip pipe

\*NOTE: Water seal outlet must clear front skid rail.

### Refrigeration Outlet

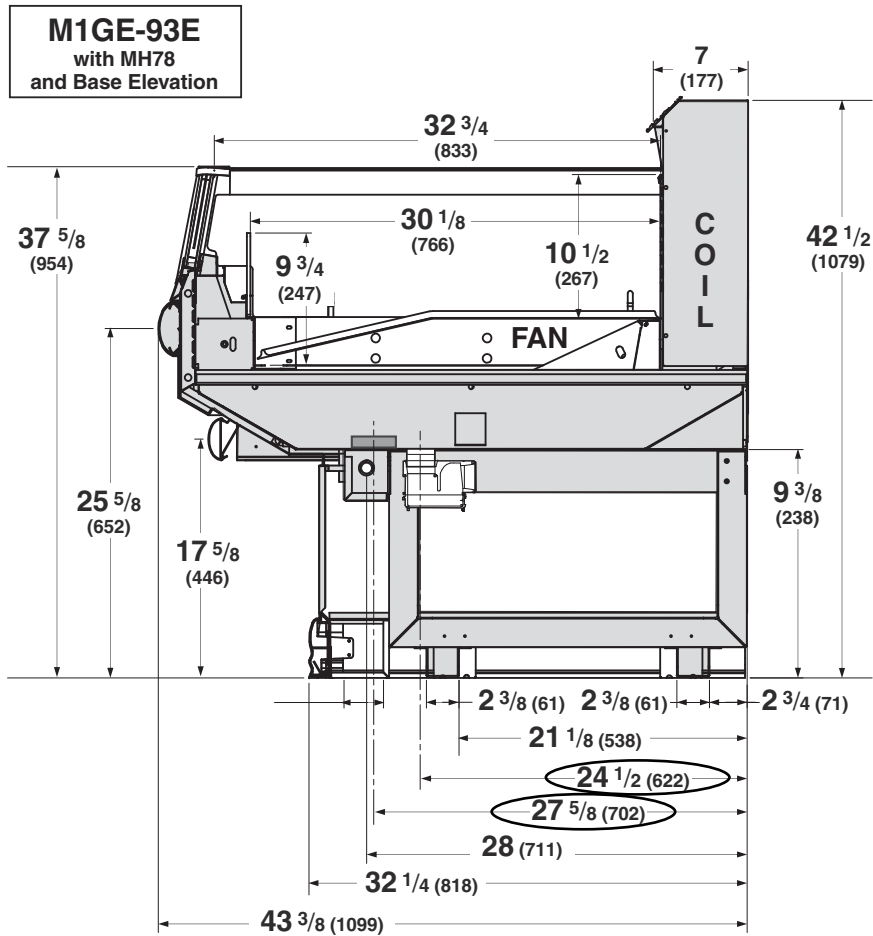
- Back O/S of case to center of refrigeration outlet
- RH end of case to center of refrigeration outlet

### End

93 3/4 (2381)
43 3/8 (1102)
32 1/8 (816)
26 1/4 (667)
2 3/8 (60)
4 (102)
76 1/8 (1933)
28 (711)
35 1/4 (895)
58 1/2 (1486)
24 1/2 (622)
4 (102)
1 1/2 (38)
27 5/8 (702)
15 (381)

**Impact M1GE-93E**  
**Meat/Delicatessen**  
**Precut & Packaged Produce**

Dimensions shown as in. & (mm).



**NSF Certification**

This merchandiser model is manufactured to meet ANSI/NSF (National Sanitation Foundation) Standard #7 requirements for construction, materials & cleanability.

**REFRIGERATION DATA**

**Note:** This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

	M1GE-93E
Discharge Air °F	26
Evaporator °F	18
Unit Sizing °F	16
Btu/hr/case*	M1GE-93E
Parallel	3080
Conventional	3410

\*Optional energy efficient motors reduce the refrigeration load by 109 Btu/hr/case.

**DEFROST DATA**

	M1GE-93E
Frequency (hr)	6
Defrost Water (lb/case/day)	2
(±15% based on case configuration and product loading.)	
OFFTIME	M1GE-93E
Temp Term °F	43°F
Failsafe Minutes	35
ELECTRIC OR GAS	Not Recommended

**CONVENTIONAL CONTROLS**

Low Pressure Backup Control	M1GE-93E
CI/CO**	11/1°F
Indoor Unit Only, Pressure Defrost	
Termination**	43°F

\*\*Use a Temperature Pressure Chart to determine PSIG conversions.

**PHYSICAL DATA**

Estimated Charge ***	
M1GE-93	1.7 lb      27 oz      0.8 kg
***This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.	

<b>Impact M1GE-93E</b> <b>Meat/Delicatessen</b> <b>Precut &amp; Packaged Produce</b>
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**Electrical Data**

<b>Number of Fans – 4W</b>	<b>End</b> <b>2</b>	
<b>Merchandiser</b>	<b>Amperes</b> <b>End</b>	<b>Watts</b> <b>End</b>
<b>Fans</b>		
Standard	0.62	48
Energy Efficient	0.24	16
<b>Minimum Circuit Ampacity</b>		
With Standard Fans	0.82	
With Energy Efficient Fans	0.44	
<b>Max. Over Current Protection</b>	20	
<b>Anti-sweat Heaters</b>		
Constant on Anti-sweat Heaters	0.60	72
<b>Standard Lighting</b>		
None		
<b>Optional Lighting</b>		
None		
<b>Standard Shelf Lighting</b>		
None		

**Product Data**

<i>Recommended Usable Cube</i> <sup>1</sup> (Cu Ft/Ft)	2.08 ft <sup>3</sup> /ft (0.19 m <sup>3</sup> /m)
<i>AHRI Total Display Area</i> <sup>2</sup> (Sq Ft/Ft)	2.88 ft <sup>2</sup> /ft (0.88 m <sup>2</sup> /m)
<i>Shelf Area</i> <sup>3</sup> (Sq Ft/Ft)	2.49 ft <sup>2</sup> /ft (0.76 m <sup>2</sup> /m)

<sup>1</sup> AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume / Unit of Length, ft<sup>3</sup>/ft [m<sup>3</sup>/m]

<sup>2</sup> Computed using AHRI 1200 standard methodology: Total Display Area, ft<sup>2</sup> [m<sup>2</sup>] / Unit of Length, ft [m]

<sup>3</sup> Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is NONE.

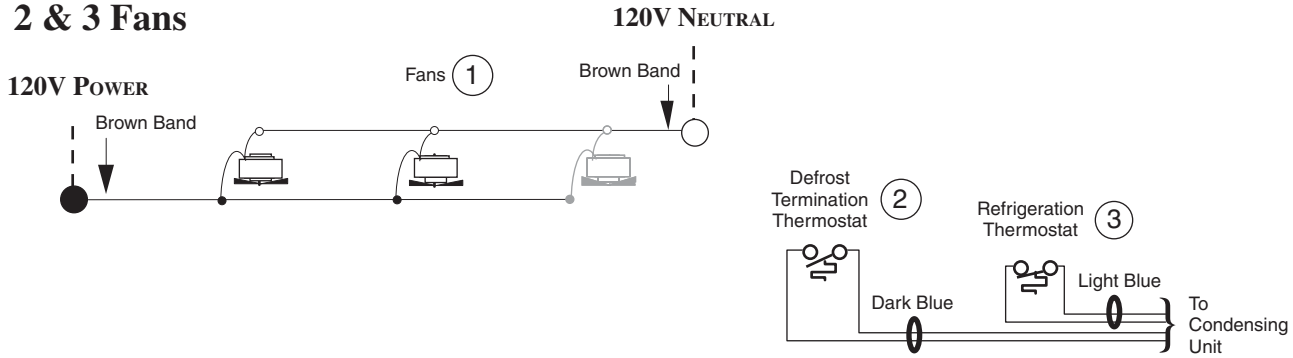
**ESTIMATED  
SHIPPING WEIGHT<sup>4</sup>**

**End Case**  
600 (181) **lb** (kg)

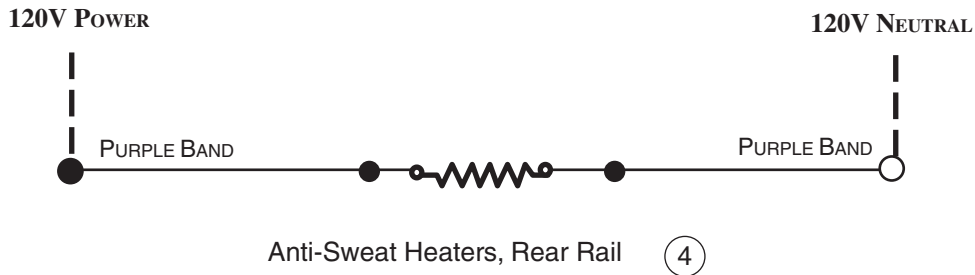
<sup>4</sup> Actual weight will vary according to optional kits included.

# Fan Wiring Offtime Defrost

## 2 & 3 Fans



# Anti-Sweat Heater Rear Rail



### WARNING

All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

Grayed components in 12 foot models only.

R = Red   Y = Yellow   G = Green   BL = Blue   BK = Black   W = White

● = 120V POWER   ○ = 120V NEUTRAL   ⊥ = Field GROUND   ≡ = Case GROUND